

We claim:

1. A composite roofing tile comprising:

a) a rectangular image portion

(1) having a front and a back,

5 (2) having a top and bottom, and left and right sides,

(3) formed with

(a) a plurality of forwardly facing tile images, and

(b) forwardly facing visually distinct centers

(i) between the tile images, and

10 (ii) extending from the top of the rectangular image portion to proximate
but above the bottom of the image portion,

b) a boundary portion

(1) having a front and a back,

(2) having a top, and left and right sides

15 (a) associated with the top, and left and right sides of said image portion,

c) the top boundary portion including

(1) a horizontal shelf

(a) having a front and a back,

(b) having a top and bottom, and left and right sides,

20 (c) provided with an upper and right-side water dam formation, and a lower water-
guide formation,

(2) a corner-notch formation

(a) in the upper right corner thereof,

(3) fastener-receiving formations

25 (a) horizontally aligned proximate the bottom edge of the shelf,

(b) each fastener-receiving formation including

(i) an upper boss extending upwardly from the shelf to a first height, and

(ii) a lower boss extending downwardly from the back of the shelf to a
second height

30 (4) tile-positioning lugs

(a) horizontally aligned,

(b) extending downwardly from the back side of the shelf to a third height below said second height,

(c) for guided installation of the roofing tiles onto battens on a roof,

5 d) the left and right boundaries

(1) being formed with complimentary formations to establish a self-centering, self-adjusting side water-lock between adjacent roofing tiles,

(2) the side water-lock extending from the upper edge of the shelf to proximate but above the bottom of the image portion,

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2. A composite roofing tile comprising:

a) a rectangular image portion

(1) having a front and a back,

(2) having a top and bottom, and left and right sides,

(3) formed with

(a) a plurality of forwardly facing tile images, and

(b) forwardly facing visually distinct centers

(i) between the tile images, and

(ii) extending from the top of the rectangular image portion to proximate

but above the bottom of the image portion,

(c) non-uniform reinforcing ribs extending along the back side of said tile images,

b) a boundary portion

(1) having a front and a back,

(2) having a top, and left and right sides

(a) associated with the top, and left and right sides of said image portion,

c) the top boundary portion including

(1) having a front and a back,

(2) on the front side - provided with an upper and right-side water dam formation, and a

lower water-guide formation,

(3) fastener-receiving formations

(a) horizontally aligned,

(b) each fastener-receiving formation including

(i) an upwardly extending upper boss, and

(ii) a downwardly extending lower boss,

(4) tile-positioning lugs

(a) horizontally aligned,

(b) extending downwardly to below said lower bosses of said fastener-receiving formations,

(c) for guided installation of the roofing tiles onto battens on a roof,

d) the left and right boundaries

(1) being formed with complimentary formations to establish a self-centering side water-lock between adjacent roofing tiles,

(2) the side water-lock extending from the upper edge of the shelf to proximate but above the bottom of the image portion,

3. A composite roofing tile comprising:

a) a rectangular image portion

(1) having a front and a back,

(2) having a top and bottom, and left and right sides,

(3) formed with

(a) a plurality of forwardly facing tile images, and

(b) forwardly facing visually distinct centers

(i) between the tile images, and

(ii) extending from the top of the rectangular image portion to proximate

but above the bottom of the image portion,

b) the front of said image portion

(1) having spaced stacking surface portions established at a datum height,

c) the back of said image portion

(1) having spaced stacking surface portions aligned with the stacking surface portions on

the front of said image portion and at a constant height therefrom,

(2) having top, bottom and left and right side perimeter portions at a first height

therefrom,

(3) having non-uniform reinforcing ribs extending along the back side of said tile images,

d) a boundary portion

(1) having a front and a back,

(2) having a top, and left and right sides

(a) associated with the top, and left and right sides of said image portion,

e) the top boundary portion including

(1) a horizontal shelf

(a) extending along the length thereof,

(b) having a front and a back,

(c) having a top and bottom, and left and right sides,

(2) an upper edge

(a) including a lip extending

(i) upwardly from the shelf to a second height,

- (ii) along the length of the shelf to establish an uninterrupted upper water boundary,
- (3) a right edge
 - (a) including a lip extending
 - (i) upwardly from the shelf to said second height,
 - (ii) along the side-length of the shelf to establish an uninterrupted right side water boundary,
- (4) a corner-notch formation
 - (a) in the upper right corner thereof,
- (5) a lower edge
 - (a) including a lip formation extending
 - (i) upwardly from the shelf to a third height above said second height,
 - (ii) intermittently along the length of the shelf to establish a lower water-boundary and guided outlets therefor,
- (6) fastener-receiving formations
 - (a) horizontally aligned proximate the lower edge of the shelf,
 - (b) each fastener-receiving formation including
 - (i) a pre-formed tapered opening for guiding a fastener inserted therein,
 - (ii) an upper boss extending upwardly from the shelf to said third height,
 - and
 - (iii) a lower boss extending downwardly from the back of the shelf to said first height
- (7) tile-positioning guide-marks
 - (a) horizontally spaced along the top of the shelf
- (8) tile-positioning lugs
 - (a) horizontally aligned,
 - (b) extending downwardly from the back side of the shelf to a fourth height below said first height,
 - (c) for guided installation of the roofing tiles onto battens on a roof,
- (9) tile stacking guides

- (a) formed in the shelf proximate the upper edge,
- (b) to receive the tile-positioning lugs of a second roofing tile stacked thereon,

f) the left boundary including

(1) an upwardly facing channel

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(a) extending from the upper edge of the shelf to proximate but above the bottom of the image portion,

(b) formed in cross-section with

(i) a center root, and

(ii) sides that slope upwardly from the root to establish a self-centering

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channel,

g) the right boundary including

(1) a downwardly facing lip

(a) extending from the corner-notch formation to proximate but above the bottom of the channel,

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(b) formed in cross-section to be slidably received into the channel of an adjacent roofing tile to establish a self-centering side water-lock therebetween.